

**Notice of Allowability**

Application No.

10/657,266

Examiner

Ismael Izaguirre

Applicant(s)

CHEN, SHIH-FANG

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/9/03.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ The drawings filed on 09 September 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

#### In the specification

On page 1, line 14, between "MACHINE" and "discloses" insert the following  
- - ,now Patent No. 6,668,739, - -

### **COMMENTS**

#### ***Specification***

The specification was amended by an examiner's amendment so as to update the patent application referred to therein.

### **COMMENTS**

#### ***Reasons For Allowance***

The following is an examiner's statement of reasons for allowance: the independent claims define a take-up cam phase adjustment for a take-up of a sewing machine. The sewing machine comprises two lower shafts, one for driving the lower looper (knotting hook) and another, which supports the thread take-up cam. The second rotary shaft has the take-up cam tightly fixed on the second end of the shaft. A thread guiding plate presses the lower thread against the take-up cam. The transmission mechanism, which comprises the driving shaft and driven shaft, comprise locking members for locking a transmission wheel and a driven wheel on the rotary

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shaft. A turning section is disposed at the end of the rotary shaft. When an operator unscrews and loosens any of the locking members, the turning section, the relative radial positions between the take-up cam and the shaft, rotates the rotary shaft and the lower driving shaft is drivingly adjustable, thus adjusting the take-up cam. The dependent claims further limit the take-up cam phase adjustment structure of the sewing machine of the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Pertinent Citations***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wegrzyn et al. illustrate a tensioning frame including a shaft with locking means at each end and when loosened, a tool is engaged on the shaft for rotating the shaft. Dietl illustrates a sewing machine including a threaded means for adjusting the tension of the driving belt and a rotatable means for adjusting the torsion spring at the end of a shaft. Szostak illustrates a sewing machine main shaft including a setscrew at an end thereof for adjusting a driving pulley. Held et al. illustrate a shaft with a fixing screw on the end of the shaft. Bullaro illustrates a shaft-locking device including a setscrew and a screwdriver slot at the end of the shaft. Smith illustrates an arrow rest including a shaft with a setscrew and a hex shaped adjustment means at the end of the shaft. Drumheller illustrates a sewing machine with loopers attached to a shaft with a screw at the end of the shaft for affixing the loopers on the shaft. Moffatt illustrates a take-up cam fixed to the end of a shaft using a setscrew.

### ***INQUIRIES***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ismael Izaguirre whose telephone number is (571) 272-4987. The examiner can normally be reached on M-F (8:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Calvert can be reached on (571) 272-4983. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ismael Izaguirre  
Primary Examiner  
Art Unit 3765